

(12) United States Patent

Vännman et al.

(54) REINFORCED HEAT EXCHANGER PLATE

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 1195 days.

(21) Appl. No.: 13/142,896

(22) PCT Filed: Dec. 22, 2009

(86) PCT No.: PCT/EP2009/067815

§ 371 (c)(1),

(2), (4) Date: Sep. 22, 2011

(87) PCT Pub. No.: WO2010/079096

PCT Pub. Date: Jul. 15, 2010

Prior Publication Data (65)

> Feb. 9, 2012 US 2012/0031595 A1

(30)Foreign Application Priority Data

Jan. 12, 2009 (EP) 09305023

(51) **Int. Cl.**

F28F 3/00 (2006.01)F28F 3/08

(2006.01)(Continued)

(52) U.S. Cl.

CPC F28F 3/046 (2013.01); F28D 9/00 (2013.01); F28D 9/0081 (2013.01); F28F 3/02

(Continued)

(58) Field of Classification Search

CPC F28F 3/046; F28F 3/04; F28F 3/025; F28F 3/14; F28D 9/00; F28D 9/0081

(Continued)

US 9,638,474 B2

(45) **Date of Patent:**

(10) Patent No.:

May 2, 2017

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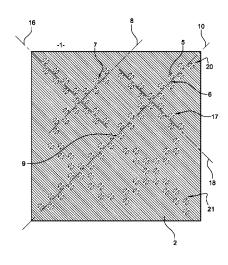
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(57)ABSTRACT

Plate suitable for acting as a bulkhead between two fluids flowing in a plate heat exchanger, the plate having a plurality of corrugations each having a bottom crest line and a top crest line, all or part of the corrugations locally having stiffeners formed by a substantial and local reduction of the height of the top crest line, the stiffeners being arranged in a first group of stiffeners distributed on the plate along at least one first line parallel to a diagonal of the plate, the diagonal being perpendicular to the crest lines of the corrugations, the stiffeners of the first group being alternately arranged on either side of the first line on each consecutive corrugation, wherein the distance measured perpendicularly to the first line between the center of the stiffeners of the first group and the first line is the same for each stiffener of the first group.

11 Claims, 2 Drawing Sheets



(2013.01);